

CTech™ FlowVPE® 10 mm Flow Cell

Product Specifications

Specification
Sheet

Part ID: **OC1003-01** (Flow Cell)

OF0005-2 (Flow Fibrette)

OC1003-01-KIT (Flow Cell + Fibrette Kit)

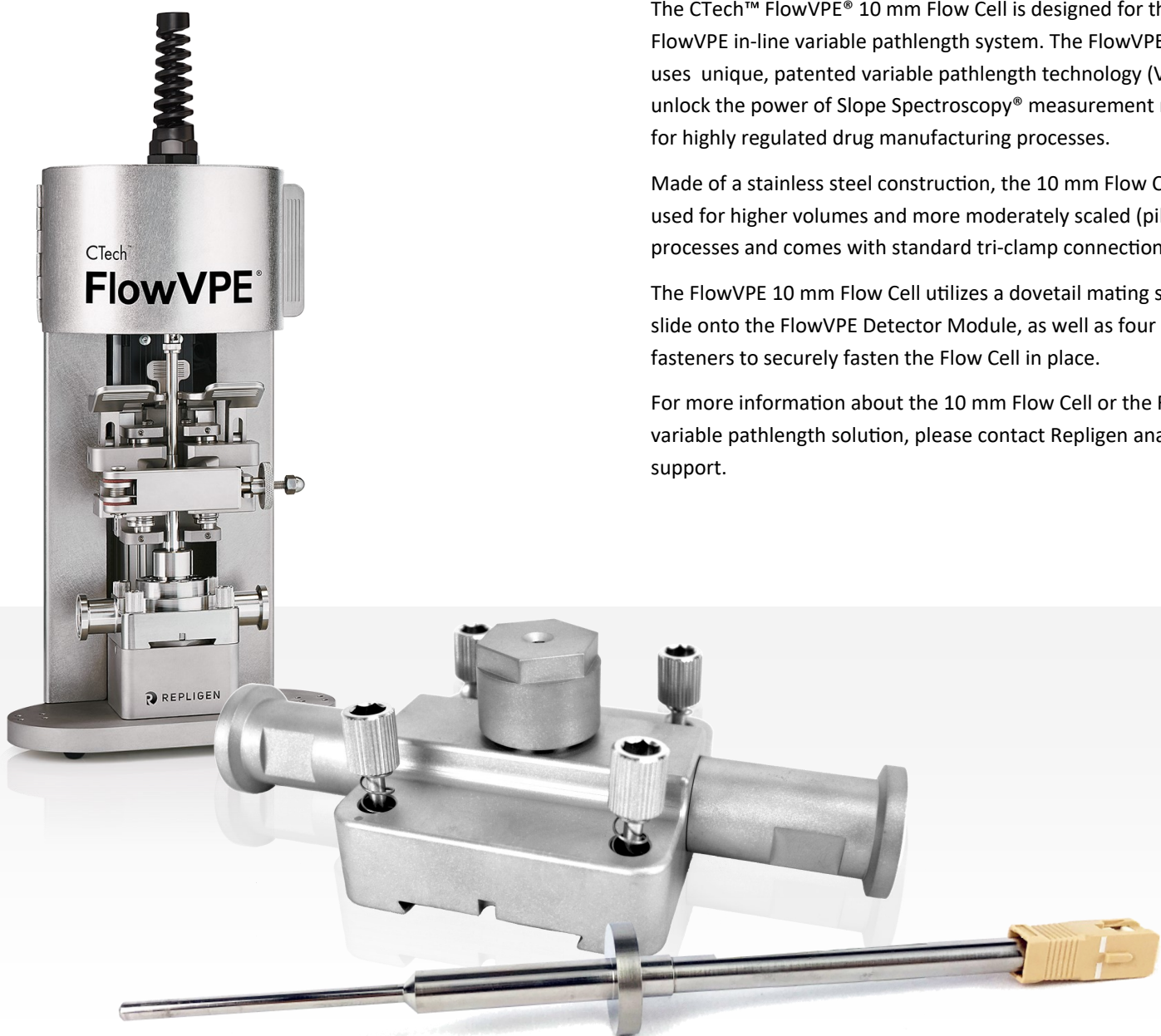
Overview

The CTech™ FlowVPE® 10 mm Flow Cell is designed for the FlowVPE in-line variable pathlength system. The FlowVPE System uses unique, patented variable pathlength technology (VPT) to unlock the power of Slope Spectroscopy® measurement methods for highly regulated drug manufacturing processes.

Made of a stainless steel construction, the 10 mm Flow Cell can be used for higher volumes and more moderately scaled (pilot) processes and comes with standard tri-clamp connections.

The FlowVPE 10 mm Flow Cell utilizes a dovetail mating surface to slide onto the FlowVPE Detector Module, as well as four captive fasteners to securely fasten the Flow Cell in place.

For more information about the 10 mm Flow Cell or the FlowVPE variable pathlength solution, please contact Repligen analytical support.



Features | Advantages | Benefits

Stainless steel construction Stainless steel materials allow for reliable and wear-resistant use in lab environments.

Standard type A tri-clamp adapters 9.4 mm (0.370 inch) diameter inner flow channel

Flow Cell Specifications

Dimensions (W x L x H) 140 x 46 x 64 mm (5.5 x 1.8 x 2.5 in)*

Weight >0.9 kg (2 lb)

Maximum pathlength 8 mm (0.31 in)

Process Contact Materials	316/316L stainless steel	Platinum-cured silicone window and tri-clamp seals	
	316/316L SS and PTFE shaft seals	UV-grade fused silica window	

Non-Process Contact Materials	316/316L SS construction	PTFE	Polyimide-filled PTFE blend
	Stainless steel Fiber Optic Connector	Medical-grade epoxy	

Chemical compatibilities Purified water, sodium hydroxide (1 molar)

Maximum pressure 80 psi

Maximum Operating Temperature 49°C (120°F)

Min Operating Temperature 1°C (33°F)

Maximum Holdup Volume ≤10 ml

Further Details

Storage Conditions 5–23°C (40–72°F), 8%–75% RH. Stored with seals protected from UV light and ozone.

Shelf Life Two years from assembled date when kept in proper storage conditions.

Compatible with FlowVPE Instrument IN-VPE-FLOW5

Software Requirement
VIPER software: version 1.0.XX or newer
FlowVPE software: version 1.0 or newer
Agilent Cary WinUV software: version 5.1.0.1019 or newer

Customer Support

Support and training: Repligen is committed to customer success from predelivery through installation and training. The following replacement kits are available for purchase:

- Window and window seal (replaceable by customer)
- Fibrette seal components
- Tri-clamp seals
- External optical surface can be wiped down.

*With Flow Fibrette installed; all measurements ±1.6 mm (±1/16 in)

Customer Support

Final application suitability of all materials and ratings are the sole responsibility of the user. Specified pressure and temperature ratings may be subject to limitations. Contact a Repligen analytical sales representative for more information.

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More Information

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